

# ANNUAL REPORT

OF THE

## Medical Officer of Health

ON THE

### SANITARY CONDITIONS

OF THE

MACCLESFIELD

## RURAL DISTRICT,

For the Year 1904.

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MACCLESFIELD :

HEATH BROS., PRINTERS, "TIMES" OFFICE, MACCLESFIELD.

*Names and Residences of the Rural District Councillors.*

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- a Mr. Allen Cooke, Whiteley Green, Adlington, near Macclesfield.
- a Rev. Canon Bell, J.P., Alderley Rectory, near Crewe.
- a Mr. Henry Massey, Over Alderley, near Crewe.
- a Mr. Simeon Massey, Birtles Old Hall Farm, Chelford, near Crewe.
- a Mr. Frank Thompstone, Harrington House, Bosley, near Macclesfield.
- a Mr. John Jackson, Butley, near Macclesfield.
- a Mr. John Wright, Simons Wood, Siddington, near Crewe.
- a Mr. Samuel Whitlow Bucktrout, Snelson, Chelford, near Crewe.
- a Mr. John Walkden, Davenport House Farm, Chorley, Alderley Edge, near Manchester.
- a Rev. Robert Moore Peile Butler, Eaton Vicarage, near Congleton.
- a Mr. George Thomas Vernon, Sycamore Farm, Upton, near Macclesfield.
- a Mr. James Hague, Walkers Heath, Gawsworth, near Macclesfield.
- a Mr. Harry Edgar Smale, Hurdsfield Cottage, Hurdsfield, near Macclesfield.
- b Mr. Robert Bennett, Slater's Farm, Kettleshulme, near Stockport.
- b Mr. Charles William Smith, Cornfields, Lyme Handley, near Stockport.
- b Mr. Daniel Cooper Wheelton, Lower Nabs, Wildboarclough, near Macclesfield.
- c Mr. John Blackshaw, Holly Bank, Marton, near Crewe.
- c Mr. Ralph Powell, Mottram St. Andrew, Macclesfield.
- c Mr. Enoch Clayton, North Rode Hall Farm, near Conoleton.
- b Rev. Thomas Bridge, The Vicarage, Poynton, near Stockport.
- b Mr. James Potts Goulden, Midway Farm, Poynton, near Stockport.
- b Mr. Thomas Robinson, 33, Whitefield, Shrigley Road, Bollington, near Macclesfield.
- b Mr. Charles Woodward, Brook House Farm, Rainow, near Macclesfield.
- b Mr. William Whiston, J.P., Clough House, Langley, near Macclesfield.
- b Rev. Samuel Evans, Taxal, near Stockport.
- b Mr. Henry Wallworth, Tytherington Old Hall, Tytherington, near Macclesfield.
- b Mr. Edward Thompstone, Great Warford, Alderley Edge, near Manchester.
- b Mr. George Holland, Yew Tree Farm, Woodford, near Stockport.

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b Retire April, 1904.   a Retire April, 1905.   c Retire April, 1906.

TO THE CHAIRMAN AND MEMBERS  
OF  
**The Rural District Council,**  
MACCLESFIELD.

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GENTLEMEN—

I have the honour to submit to you my Annual Report for the year 1904.

There have been registered 347 births (176 males, 171 females) the natural increase for the year being 144.

The birth rate is 21.55 per 1,000, per annum, and the rate of mortality is 12.61 per 1,000, per annum. 19.704 per cent of the total deaths were children under 5 years of age, against 17.09 per cent of last year. 36.94 per cent were persons of 65 years and upwards against 39.37 per cent of last year.

The rate of infant mortality measured by the proportion of deaths of children under 1 year of age per 1,000 born is 86.45 against 76.92 of 1903. The rate of mortality of males of all ages per 1,000 of population is 6.21 and of females 6.65.

The death rate from Zymotic Diseases per 1,000 of population is .12 against .37 of last year.

Deaths occurred at the following ages :—

Under 1 year .....	30
Between 1 year and 5 years .....	10
Between 5 years and 15 years .....	1
Between 15 years and 25 years .....	10
Between 25 years and 65 years .....	77
65 years and upwards .....	75
	203

The area of the district is 79,618 acres with a population of (1901) 15,775.



It is divided into six Sub-districts, i.e. Alderley, Bollington, Gaws-  
worth, Prestbury, Rainow and Sutton and includes 37 townships.  
Its limits are in one direction 15 miles apart, that is to say 15 geograph-  
ical miles as the actual distance by road is something over 20 miles,  
and naturally in so wide an area the physical features vary consider-  
ably.

For instance, Sutton and Rainow consist chiefly of stone quarries  
and steep hill land used for grazing purposes, rising in places to a  
height of 1,600 feet. The roads are much improved of recent years  
but the country is so bleak that in the course of two hours they may  
be rendered impassable by snow drifts.

Many houses off the main road are connected merely by paths  
across the open moors and it is more than probable that many slight  
cases of infectious disease escape notification owing to the difficulty  
in obtaining medical aid.

The remaining sub-divisions, Alderley, Bollington, Gaws-  
worth, and Prestbury, are more fortunate in possessing gently rising hills  
and in places, no hills at all. Speaking generally they are devoted  
to agriculture and dairy work and the soil is excellent.

THE HOUSE ACCOMMODATION of the District is generally good  
and clean, it is no uncommon thing to find a house separated from its  
neighbours by a mile and even in the more thickly populated townships  
there is a sufficiency of air space about the dwellings.

SEWERAGE, DRAINAGE AND EXCREMENT DISPOSAL.—In the greater  
part of the District there is no deep sewerage system. On the farms  
the midden system prevails and at the cottages the sewage goes directly  
on to the land. Earth closets are general and these are emptied more  
or less frequently and the collection used locally as manure.

In these country districts this method of disposal is excellent,  
and if properly carried out is free from defects. In some parts of  
Poynton there is a water carriage system communicating with the  
general sewage scheme of the district and six additional acres of land  
situate just beyond the limits of this District have recently been  
acquired for the disposal of sewage.

WATER SUPPLY.—In many parts of Rainow and Sutton the water  
is excellent being obtained from springs at the base of high hills.  
Langley has recently required a splendid supply of water from surface  
springs on high land, this is distributed to consumers from a receiving

cistern by means of pipes. Poynton has been similarly supplied for years. Prestbury is supplied mainly by dip wells, but Gawsworth is lacking in a supply of good water.

During the last two or three years marked improvement has taken place in matters relating to milk and its distribution and many farmers now make some effort to groom their cows and to insist on the personal cleanliness of the person milking.

It is difficult of course in the case of small dwellings, without proper dairy accommodation but even there, much can be done to prevent needless exposure to contamination, the standing of uncovered cans of milk outside the milking shed for instance, and the storing of butter in rooms improperly ventilated. Care is, as a rule, taken to prevent actual exposure to dust and visible impurity, but the quality of the atmosphere is too often neglected, one still finds ventilators fastened up and windows not allowed to be opened for fear of "fresh air."

On the receipt of notifications of Infectious Disease visits have been made to the houses and districts where such outbreaks occurred and careful investigation made to discover the source of Infection. Instructions have been given to householders as to the disposal of refuse and the proper cleansing of utensils and clothing used by persons suffering from fever etc. Disinfectants have been freely supplied and where articles could not be satisfactorily disinfected they have been destroyed and replaced at the expense of the District Council. Systematic inspection of the District has been made apart from visits required by particular outbreaks of disease and where a nuisance injurious to health existed steps have been taken for its abatement. Particulars of nuisances as they are met with are entered in the complaint books which go before the Health Committee at the monthly meetings. Requests are made of those who are liable to abate such nuisances and where the Committee is of opinion that there is undue delay statutory notices are served and, if necessary, followed by judicial proceedings.

Under the Factory and Workshops Act, 1901, visits have been made to the reported workshops and workplaces, these were generally clean with a sufficiency of air space and ventilation. One firm employing 60 persons had the Sanitary arrangements overhauled and Sundry improvements effected. Lists of out workers have been supplied by various firms and the houses of these visited. It has been found that the conditions under which the work was done were in every way satisfactory.

Bakehouses practically do not exist as the greater part of the bread consumed is baked in the neighbouring town and distributed by vans. In some districts the consumers make and bake for themselves.

**SMALL-POX.**—During 1904 there have been two outbreaks of this disease, the first occurred at Langley and was traceable to Macclesfield. The patient, a woman, was removed to the Isolation Hospital for Small-pox at Greenway and within two hours of the notification of the disease a house to house visitation for the purpose of re-vaccination was set in motion, fortunately there was no spread of the disease and the patient recovered. The second outbreak was reported from Taxal, two cases occurring in the same dwelling, the disease being traceable to Derbyshire. It was impossible to remove these cases (both males) to the Hospital, so such isolation as was practicable was carried out at the house. Re-vaccination was performed on all persons in the immediate neighbourhood and no further cases occurred, both patients recovered.

**SCARLET FEVER.**—35 cases of this disease were notified against 46 of last year. 7 in Alderley, 2 in Bollington, 8 in Gawsworth, 9 in Prestbury, 2 in Rainow and 7 in Sutton. The majority of cases were young children attending school and the disease was of a mild type. No deaths were reported.

**DIPHTHERIA.**—5 cases were reported against 11 of last year. 1 in Alderley, 2 in Gawsworth and 2 in Rainow, all of which recovered.

**MEMBRANOUS CROUP.**—No cases notified.

**TYPHUS FEVER.**—No case notified.

**ENTERIC FEVER.**—3 cases were reported against 2 of last year. 2 in Alderley, (one of which died) and one in Bollington.

**PUERPERAL FEVER.**—3 cases were notified. 1 in Prestbury and 2 in Sutton.

**ERYSIPELAS.**—3 cases were notified against 4 of last year. 1 in Alderley, 1 in Gawsworth and 1 in Prestbury.

**MEASLES** have been prevalent throughout the greater part of the district and two deaths, both young children were returned from Sutton.



WHOOPING COUGH.—There have been many cases of this disease necessitating the closing of schools in some townships but no deaths have occurred.

RHEUMATIC FEVER.—No death notified.

BRONCHITIS, PLEURISY AND PNEUMONIA.—33 deaths were reported against 16 of last year.

HEART DISEASE.—40 deaths were returned as due to Heart affections against 23 of last year. the increased mortality having occurred in people over 65 years of age.

INFLUENZA.—Two deaths occurred. 1 in Gawsworth and 1 in Prestbury.

PHTHISIS.—7 deaths were returned from this cause, against 10 of last year. 4 in Alderley and 3 in Prestbury.

CANCER.—19 deaths were reported against 15 of last year. 3 in Alderley, 4 in Bollington, 2 in Gawsworth, 6 in Rainow, 3 in Prestbury and 1 in Sutton.

ACCIDENTS.—5 deaths occurred against 7 of last year.

ALL OTHER DISEASES.—79 deaths against 119 of last year.

ANTHRAX.—During the year 5 outbreaks of Anthrax have occurred in the districts of Alderley, Bosley, Poynton and Mottram St. Andrew. In four instances the animal attacked has been a cow, in the fifth a mare. The cases have occurred at isolated intervals and it has not been possible to trace the source of infection.

ALDERLEY.—From this Sub-division of the District there have been notified 11 cases of Infectious Disease against 17 of last year. 1 of Diphtheria, 2 of Typhoid, 1 of Erysipelas, and 7 of Scarlet Fever. Measles also have been very prevalent necessitating the closing of certain schools for a time. Anthrax has occurred twice, in each instance only one animal was affected and it was impossible to trace the source of infection. The Sanitary condition of the district generally is satisfactory though in one instance blocked drains were directly responsible for an outbreak of Typhoid Fever.

BOLLINGTON.—Three cases of Infectious Sickness were notified. 1 of Typhoid and 2 of Scarlet Fever. In no case was the disease traceable and the sanitary conditions were good.

GAWSWORTH.—11 cases of Infectious Disease were notified from this district. 2 of Diphtheria 1 of Erysipelas and 8 of Scarlet Fever. The schools at Marton were closed for a short time owing to an epidemic of measles and a case of Anthrax was reported early in the year from Bosley.

PRESTBURY.—From this Sub-division were reported 11 cases of Infectious Sickness against 20 of last year. 1 of Puerperal Fever, 1 of Erysipelas and 9 of Scarlet Fever. Measles and Whooping cough have been very prevalent and the school premises at Mottram St. Andrew were not, at the time of the epidemic, in good sanitary condition. It would appear that great annoyance and at the same time great danger of infection from various diseases is caused by tramps breaking through the hedge and making use of the closets, provided for the accommodation of scholars. One case of Anthrax was reported from Mottram St. Andrew and one from Poynton.

RAINOW.—6 cases of Infectious Disease occurred in this district 2 of small-pox (traceable to Derbyshire), 2 of Diphtheria and 2 of Scarlet Fever. The schools at Wildboarclough were closed for a time on account of measles.

SUTTON.—10 cases of Infectious Disease were notified. 2 of Puerperal Fever, 1 of Small-pox and 7 of Scarlet Fever. 2 deaths occurred from measles and the schools in the neighbourhood were closed owing to epidemics of this disease and whooping cough.

I am, Gentlemen,

Your obedient Servant,

JOHN L. RUSHTON, M.D.

Macclesfield,

14th February, 1905



# BIRTH AND DEATH RATE FOR TEN YEARS.

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YEAR.	BIRTH RATE.	DEATH RATE.	ZYMOTIC DEATH RATE.
1895	.... 24.39 ....	.... 15.02 ....	.... .62 ....
1896	.... 22.36 ....	.... 13.14 ....	.... .33 ....
1897	.... 23.83 ....	.... 13.33 ..	.... .63 ....
1898	.... 25.27 ....	.... 14.08 ....	.... .17 ....
1899	.... 21.94 ....	.... 14.48 ....	.... .28 ....
1900	.... 22.73 ....	.... 11.03 ...	.... .21 ....
1901	.... 20.11 ....	.... 11.48 ....	.... .107 ....
1902	.... 21.93 ....	.... 10.59 ....	.... .25 ....
1903	.... 21.0 ....	.... 11.99 ....	.... .37 ....
1904	... 21.55 ....	.... 12.61 ....	.... .12 ....

# INQUESTS IN THE RURAL COUNCIL DISTRICT OF MACCLESFIELD IN 1904.

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No	Sub-District	Township.	Date.	Sex	Age.	Supposed cause of death.
1	Gawsworth	North Rode	March 2.	F.	11 mos.	Pneumonia
2	Rainow	Kettleshulme	" 4.	F.	66	Syncope due to heart disease.
3	Rainow	Rainow	" 18.	F.	2	Accidentally drowned.
4	Gawsworth	Siddington	July 28.	M.	19	Accidentally drowned whilst fishing in Redesmere.
5	Alderley	Nether Alderley	Aug. 10.	M.	35	Found dead in bed, death being due to Heart Disease, accelerated by alcoholism.
6	Sutton	Sutton	" 14.	M.	40	Found drowned in the Canal.
7	Rainow	Taxal	Sept. 3.	M.	63	Heart Disease following Bronchitis.
8	Gawsworth	Henbury	" 15.	M.	60	Suicide by hanging.
9	Prestbury	Newton	" 23.	M.	32	Found dead from fractured skull. evidence not sufficient to show how such injury was received
10	Prestbury	Poynton-with-worth	Nov. 5.	F.	59	Syncope accelerated by exhaustion from excessive vomiting
11	Prestbury	Poynton-with-worth	" 17.	M.	65	Syncope due to Cardiac Disease
12	Alderley	Chelford	Dec. 1.	M.	30	Died from injuries received through leaving a train whilst in motion.

TABLE I.  
FOR WHOLE DISTRICT.

Year	Population estimated to Middle of each Year	Births		Deaths under 1 year of age		Deaths at all ages Total	
		Number	Rate *	Number	Rate per 1,000 Births reg- istered.	Number	Rate *
I	2	3	4	5	6	7	8
1894	17552	461	26.27	41	88.93	228	12.99
1895	17633	430	24.3	46	106.97	265	15.02
1896	17797	398	22.36	42	105.52	234	13.14
1897	17779	413	23.83	29	70.21	231	13.33
1898	18170	435	25.27	44	101.14	244	14.08
1899	18212	383	21.94	44	114.8	251	14.48
1900	18389	418	22.73	31	74.1	203	11.03
1901	18454	373	20.11	39	104.5	213	11.48
1902	15933	350	21.31	26	74.28	169	10.59
1903	16092	338	21.00	26	76.92	193	11.99
Aver- ages for years 1894- 1903	17621.1	399.9	22.91	36.8	91.73	223.1	12.81
1904	16270	347	21.55	30	86.45	203	12.61

\* Rates calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division.



TABLE II.

Names of Localities	1 ALDERLEY.				2 BOLLINGTON.				3 GAWSWORTH.				4 PRESTBURY.				5 RAINOW.				6 SUTTON.			
Year.	Population estimated to middle of each year				Population estimated to middle of each year				Population estimated to middle of each year.				Population estimated to middle of each year.				Population estimated to middle of each year.				Population estimated to middle of each year.			
	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
1894	3003	79	40	10	2882	66	46	6	2708	71	33	7	5033	148	69	14	2123	13	37	2	1803	34	13	2
1895	3020	83	60	12	2886	75	52	11	2729	64	32	4	5052	124	71	12	2133	46	31	3	1813	38	19	4
1896	3045	61	36	8	2907	54	33	4	2755	63	37	5	5098	115	69	12	2156	58	35	6	1836	47	24	7
1897	3089	74	30	2	2924	61	44	2	2792	70	33	5	5171	136	63	12	2155	33	34	6	1848	39	27	2
1898	3121	65	33	6	2950	70	44	11	2827	68	33	6	5212	127	86	12	2193	59	21	3	1867	46	27	6
1899	3124	66	45	8	2956	57	44	6	2830	57	33	2	6537	126	72	18	2195	49	32	3	1870	34	25	7
1900	3154	61	31	4	2973	41	24	4	2860	57	27	2	6324	151	64	13	2237	56	24	3	1889	52	33	5
1901	3167	69	37	4	2971	23	24	2	2884	83	27	8	6353	120	67	18	2238	42	29	4	1889	36	29	3
1902	2838	68	27	2	1317	23	12	1	2690	61	19	6	5182	108	64	12	2049	45	23	3	1765	45	24	2
1903	2872	67	43	4	1332	28	14	2	2721	51	30	6	5228	115	62	5	2064	34	24	5	1783	43	20	4
Averages of Years 1894 to 1903	3043.3	69.3	38.2	6	2609.8	49.8	33.7	4.9	2779.6	64.5	30.4	5.1	5519	127	68.7	12.8	2154.3	43.5	29	3.8	1836.3	41.4	24.1	4.2
1904	2909	67	42	5	1347	23	18	3	2739	45	26	5	5286	116	71	8	2084	45	24	2	1813	51	22	7

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1904.

NOTIFIABLE DISEASES.	CASES NOTIFIED IN WHOLE DISTRICT						TOTAL CASES NOTIFIED IN EACH LOCALITY.					
	At all Ages	All ages—years					Alderley.	Bollington.	Gawsworth.	Prestbury.	Rainow.	Sutton (H.)
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65						
Small-pox . . . . .	3	..	..	..	2	1	..	..	..	..	2	1
Cholera . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria . . . . .	5	..	1	4	..	..	1	..	2	..	2	..
Membranous croup . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas . . . . .	3	..	..	..	2	1	1	..	1	1	..	..
Scarlet Fever . . . . .	35	..	9	21	4	1	7	2	8	9	2	7
Typhus Fever . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever . . . . .	3	..	..	..	2	1	2	1	..	..	..	..
Relapsing Fever . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever . . . . .	3	..	..	..	1	2	..	..	..	1	..	2
Plague . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
Totals . . . . .	52	..	10	25	11	6	11	3	11	11	6	10

No. of cases removed to Hospital from each Locality :—Sutton (H) 1. Notifiable Disease, Small-pox.  
H marks locality in which the Isolation Hospital is situated.

Causes of, and Ages at, Death during Year 1904.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES)					
	All Ages.	Under 1 year	1 & under 5	5 & under 15	15 & under 25	25 & under 65	65 & upwards	Alderley.	Bollington.	Gawsworth.	Prestbury.	Rainow.	Sutton.
Small-pox .....													
Measles .....	2		2										2
Scarlet fever .....													
Whooping-cough .....													
Diphtheria and mem- branous croup .....													
Croup .....													
Fever {	Typhus ..												
	Enteric ..	1				1		1					
	Other ..												
	Continued ..												
Epidemic influenza ..	2					2				1	1		
Cholera .....													
Plague .....													
Diarrhoea .....	1					1					1		
Enteritis .....													
Puerperal fever .....	1					1					1		
Erysipelas .....													
Other septic diseases .....													
Phthisis .....	7				4	3		4			3		
Other tubercular dis- eases .....	5	2	1			2		1		1	1		2
Cancer, malignant disease .....	19					14	5	3	4	2	6	3	1
Bronchitis .....	16	2	1			1	12	2		4	5	4	1
Pneumonia .....	17	8	1			6	2	3	1	5	5		3
Pleurisy .....													
Other diseases of Res- piratory organs .....													
Alcoholism	2					2		1	1				
Cirrhosis of Liver }													
Venereal diseases .....													
Premature birth .....	4	4						1	1		2		
Diseases & accidents of parturition .....	1					1							1
Heart diseases .....	40	2		1	2	10	25	10	1	2	20	4	3
Accidents .....	5		1		1	3		1		1	1	1	1
Suicides .....	1					1				1			
All other causes .....	79	12	4		3	29	31	15	10	9	25	12	8
All causes .....	203	30	10	1	10	77	75	42	18	26	71	24	22



# OUTBREAKS OF INFECTIOUS DISEASES DURING 1904.

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No. of Case	Page in Report Book	Date 1904	Sub-District	Township	Initials	Disease	No. in Family	No. Seized	Age	Source of Infection	In-cidence	Sequence	Remarks
1	..	Feb. 1	Alderley	Withington	B.L.	Scarlet ..	3	1	1	Not traceable ..	Jan. 30	Recovery	Not traceable
2	..	"	"	Gt. Warford	J.S.	"	6	1	13	"	" 31	"	Fair
3	..	"	Bollington	Shrigley ..	H.J.	"	3	1	13	"	"	"	"
4	..	"	Rainow ..	"	A.F.	"	6	1	6	Not traceable ..	31	"	"
5	..	"	Prestbury	Poynton ..	S.M.	"	6	1	11	To Beggars ....	Feb. 9	"	"
6	..	"	"	"	S.E.	"	"	1	9	"	" 11	"	"
7	..	"	"	"	S.T.	"	"	1	7	"	" 14	"	"
8	..	"	"	"	S.W.	"	"	1	1½	"	" 15	"	"
9	..	"	Alderley	Gt. Warford	A.A.	"	9	1	3	To Pendlebury	" 22	"	"
10	..	"	Gawsworth	Siddington	T.I.	Erysipelas	2	1	24	Not traceable ..	"	"	Fair
11	..	"	Sutton	Langley ..	A.A.	Puerperal	2	1	22	"	"	"	Condition Good
12	..	Mar. 4	Gawsworth	Gawsworth	T.J.	Scarlet ..	12	1	7	Not traceable ..	Mar. 2	"	"
13	..	"	"	"	T.P.	"	"	1	5	"	" 3	"	"
14	..	"	"	"	T.R.	"	"	1	9	"	" 3	"	"
15	..	"	"	"	C.F.	Diphtheria	3	1	7	"	" 13	"	Defective Cons.
16	..	"	Alderley	Chelford	R.W.H.	Scarlet ..	2	1	27	To Reddish	" 17	"	Fair
17	..	Apr 16	"	"	B.J.H.	Typhoid..	6	1	28	Not traceable ..	" 18	"	"
18	..	"	"	Gt. Warford	G.S.	Scarlet ..	"	1	17	Not traceable ..	"	"	Conditions Good
19	..	"	"	"	G.W.	"	8	1	19	To first case	"	"	"
20	..	May 21	Prestbury	Adlington ..	W.G.	"	"	1	12	Not traceable ..	"	"	Defective Water Supply
21	..	"	"	"	W.L.	"	"	1	8	To first case	"	"	"
22	..	"	Bollington	H. Hurdfield	H.A.	"	3	1	1	Not traceable ..	June 24	"	Conditions Good
23	..	"	Gawsworth	Eaton	L.H.	"	3	1	10	To Stone	July 14	"	"
24	..	July 15	Prestbury	Adlington ..	S.D.	"	7	1	3	To No 20	" 22	"	Defective Water Supply
25	..	"	Alderley	OverAlderley	M.L.A.	"	6	1	20	Not traceable ..	" 26	"	Fair
26	..	"	Rainow ..	Taxal	H.L.	Enteric	6	1	3	Foul Ashpits....	" 30	"	Bad SanitaryCons
27	..	"	"	"	H.J.	Diphtheria	6	1	7	"	" 30	"	"

# OUTBREAKS OF INFECTIOUS DISEASES DURING 1904.

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No. of Case	Page in Report Book	Date 1904	Sub-District	Township	Initials	Disease	No. in Family	No. Seized	Age	Source of Infection	In-cidence	Sequence	Remarks
28	..	Aug 24	Sutton ..	Langley ..	H.J.	Small-pox	7	1	55	..	..	Recovered	Removed to Hos.
29	..	" 27	Rainow ..	Taxal ..	C.A.	"	6	1	20	..	..	"	Bad S. Conditions
30	..	" 28	" ..	" Swanscoe ..	C.D.	Scarlet	"	1	17	(Tramps from Derbyshire)	..	"	"
31	..	" 29	" ..	Butley ..	L.S.	"	4	1	9	To School in Mac.	Aug. 27	"	Conditions Good
32	..	Sept 1	Prestbury ..	Langley ..	D.H.	"	4	1	18	Not traceable	..	"	Rem. to Workhouse
33	..	Oct 1	Sutton ..	" Snelson ..	S.E.	"	4	1	11	"	Sept. 27	"	Conditions Fair
34	..	" 2	Alderley..	" Marton ..	W.K.	"	8	1	13	Not traceable	Oct. 1	"	Conditions Good
35	..	" 8	Gawsworth ..	" ..	M.W.	Diphtheria	13	1	6	"	"	"	"
36	..	" 8	Bollington ..	H. Hurdsheld ..	D.T.	Enteric ..	6	1	19	To Drains	..	"	Bad Drains
37	..	" 12	Prestbury ..	M.St. Andrews ..	B.S.	Erysipelas	..	..	23	..	..	"	"
38	..	" 13	Gawsworth ..	Eatono ..	T.W.	Scarlet ..	9	1	14	Not traceable	Recov'd	"	Conditions Good
39	..	" 16	" ..	Marton ..	S.E.	"	9	1	8	To No. 38	..	"	"
40	..	" 28	Prestbury ..	Poynton ..	H.G.	"	4	1	2	Not traceable	"	"	"
41	..	" 31	Sutton ..	H Sutton ..	M.I.	"	3	1	5	To School	"	"	"
42	..	Nov. 3	Sutton ..	Sutton ..	W.M.	"	4	1	3	Not traceable	"	"	Conditions Good
43	..	" 9	Alderley ..	Withington ..	T.W.	Erysipelas	..	..	14	..	..	"	Blocked Drains
44	..	" 12	" ..	Chelford ..	F.W.J	Diphtheria	..	..	33	..	"	"	"
45	..	" 17	Sutton ..	H. Sutton ..	H.H.	Scarlet ..	6	..	12	To School	"	"	"
46	..	" 20	" ..	Buxton Rd. ..	B.P.	"	5	1	14	Not traceable	"	"	Good
47	..	" 20	" ..	" ..	B.S.	"	"	1	13	"	"	"	"
48	..	" 21	Prestbury ..	" ..	V.M.	Puerperal	8	1	35	..	"	"	"
49	..	" 28	Sutton ..	Upton ..	"	"	6	1	40	..	"	"	Conditions Good
50	..	Dec. 1	Gawsworth ..	Ridge Hill ..	K.F.	Scarlet	8	1	20	..	"	"	"
51	..	" 6	Sutton ..	L. Marton ..	B.J.	"	3	1	4	..	"	"	San. Con. Good
52	..	" 11	Gawsworth ..	L Marton ..	K.G.	"	8	1	11	..	"	"	"

# SURVEYOR AND INSPECTOR'S REPORT, 1904.

## To the Macclesfield Rural District Council.

Gentlemen,—

I have the honour to submit to you my Sixteenth Annual Report shewing what has been done in your district in my department during the year 1904.

Area of District (acres) .....	79,618
Population, 1901 .....	15,775
Number of Townships .....	37
Number of Houses .....	3,662

2 Waste-pipes were disconnected from drains.

32 Houses were provided with efficient drains of glazed socketted pipes, where none previously existed, or to replace inefficient ones.

62 Inlets to drains were trapped.

10 New privies were built. Many others were re-arranged to prevent exposure of their contents to any rainfall or drainage.

8 Houses, which were so damp as to be injurious to the health of the occupants, were improved by the provision of means for carrying off the roof water, by structural repairs, or by draining the sites.

10 Sleeping-rooms were provided with efficient means of ventilation.

Many other nuisances arising from blocked drains, inefficient drainage disposal, the keeping of swine and other animals, and accumulations of house refuse, etc., were abated.

23 Statutory Notices were served for the abatement of nuisances, for the provision of water supplies, or the provision of efficient drains.

No legal proceedings were taken.

Sulphur for fumigation and other disinfectants were supplied to houses in which cases of Infectious Diseases had occurred, to the instructions of the Medical Officer of Health.



The Slaughter-houses were visited at intervals, and were found clean and in good order.

The Effluent Outfalls from Sewage Disposal Works, where they discharge into streams in your district were visited at intervals.

31 Houses were provided with new or improved water supplies.

10 Samples of water were sent for analysis, five of which were reported unfit for domestic use. Steps were at once taken to prevent the use of these waters for domestic purposes.

20 Certificates for 43 houses were granted under the provisions of Section 6 of the Public Health (Water) Act, 1878.

5 Houses unfit for habitation were vacated without the service of Statutory Notice. Of these two were re-built.

2 Houses which were overcrowded were provided with additional sleeping-rooms.

10 Persons were registered under the Dairies, Cowsheds and Milkshops Order, 1885.

389 Persons are now registered. Most of the premises were visited and were usually found in satisfactory order with regard to cleanliness.

35 Sets of plans were submitted and approved under the Bye-laws with respect to New Buildings and to New Streets. The buildings comprise 47 houses and 3 Schools. These buildings and other works were visited frequently during construction or execution to see that the bye-laws were being complied with

28 Canal Boats were inspected under the Canal Boats Acts, 1877 and 1884. The boats were registered for 84 adults, and they carried 50 men, 8 women and 5 children, a percentage of 79.4, 12.7 and 7.9 respectively. as compared with 76.4, 11.8 and 11.8 in the previous year.

One boat did not carry any evidence of registration. This irregularity is now being dealt with. There is good reason to believe that the boat has not since been used, and is to be broken up.

No other infringement of the Acts or Regulations was met with.

No case of Infectious Disease was met with.

Under the Factory and Workshop Act, 1901, visits of inspection were made to the known Factories and Workshops, and records made of those matters which are brought by this Act under the supervision of District Councils. The sanitary arrangements and water supply of one workshop employing 5 males and about 55 females were overhauled and improved.

POYNTON SEWERS. 15 Houses were newly drained into the sewers at Poynton. 460 Houses are now so drained. During the continued dry weather in the summer considerable difficulty was experienced in maintaining a satisfactory effluent from the sewage disposal works. Sometimes there was none at all. At other times the flow was so small that the most minute crevice in the ground conveyed enough of the tank effluent to spoil the final effluent.

WATER WORKS. Additional Houses were supplied from the Council's water mains as follows :—

	Present Number.
Upton ..... 2.....	36
Prestbury .... .	34
Butley ..... .	49
Tytherington ..11.....	23
Taxal .....10.....	51

27 additional houses in Poynton were supplied from Lord Vernon's water mains, making a total of 486.

7 additional houses in Great Warford were supplied from the Stockport Corporation water mains, making a total of 28. In Chorley 27 houses are supplied from the same source.

ISOLATION HOSPITAL. Your Hospital for the isolation of persons suffering from Small-pox was again in use. Late in the afternoon of the 25th August information was received that a woman living in Ward's Terrace, Langley, was suffering from the disease. Bedding and provisions were at once conveyed to the Hospital, and early in the following morning the patient with a nurse and assistant were taken there. The disease was well developed before it was recognised, and this before any medical advice had been sought. Prompt and stringent precautions were taken in the way of re-vaccination, burning of materials which had been subjected to infection, and dis-

infection and cleansing of the house and its contents. These were effectual, as there was not any spread of the disease. The Hospital was closed on the 6th October.

As the Borough of Macclesfield is surrounded by your district and as it is not yet free from Small-pox, fires are lighted twice weekly in your Hospital to keep it aired, so that in case of necessity it can be re-opened promptly.

1213 letters were received, and a proportionate number written on the business of the office.

I am, Gentlemen,

Your obedient Servant,

JAMES THORPE,

Surveyor and Inspector.

19, King Edward Street,

Macclesfield, 12th January, 1905.